

Getting an Account

To run applications on a LANL HPC cluster, one must first obtain access to one of the three networks and then request an account on one or more platforms. Most users will be either ASC or IC funded, but we also provide at least one cluster in the Yellow (Unclassified Protected) Network on a recharge basis for any LANL employee. Our available HPC platforms are listed in a [summary table](#).

LANL USERS and COLLABORATORS

1. To obtain an account on a LANL ICN cluster, you must first obtain an entry in our Employee Information System, [EIS](#). In general, your LANL (or LANL collaborator/host) Group Administrator handles this process. This gives you a LANL [Z-number](#), a unique six-digit integer given to each LANL employee, contractor, affiliate, guest, collaborator, etc. that we retain for life (and then some).
2. You must then request a LANL Integrated Computing Network (ICN) [account](#) which will require training. And, of course, a form to fill out. For either the Open Collaborative (OCN or [Turquoise](#)) Network or the Unclassified Protected (UPN or [Yellow](#)) Network, please complete the [UPN pdf form](#). For the Secure Restricted (SRN or [Red](#)) Network, please complete the [SRN pdf form](#). There is more detailed information available for network access [here](#).

NOTE: You can access the links from this web site in the [Yellow](#) Network only.

3. Once you have the ICN account, you will need to register for a specific ICN cluster. You will need to choose one of the following:

For accounts on the secure ([Red](#)) Network Cielo, HPSS, Hurricane, Redtail, Roadrunner/rto, or Typhoon, use a web browser in the **secure network** to access this URL: hpcaccounts.lanl.gov.

For accounts on the Unclassified Protected ([Yellow](#)) Network Bladerunner, Cielito, HPSS, rr-dev, Turing, and Yellowrail, and also for ASC accounts in the Open Collaborative (OCN or [Turquoise](#)) Network, use this URL in the **unclassified network**: <http://hpcaccounts.lanl.gov/>.

For Institutional Computing accounts on Cerrillos, Conejo, Garnet, Lobo,

Mapache, or Mustang, contact the Institutional Principal Investigator (PI) of your project who can initiate the account request process for you and grant access to the project HPC resources. You cannot obtain an account yourself, the PI must make the request. If you are a PI, you can go [here](#) to request an Institutional User account and add someone to your project. If you wish to become a PI and obtain HPC resources for your project, submit a proposal using the Institutional Computing [web site](#).

Filling out either the Red or Yellow account request will send E-mail to the proper approvers and HPC-3 system administrators. Your account will be set-up automatically once it is granted approval. This will include creating your home and scratch directories, and also creation of Turquoise online project space.

ASC TRI-LAB and ALLIANCE USERS

For classified or unclassified computing on the ASC clusters, fill out the account application form at <http://sarape.sandia.gov>. Note that this website access is restricted to the domains of the National Laboratories, ASC Alliance universities and the NWC sites where we have Guest Processing Agents (GPAs). Also, if you request an account for an HPC cluster not listed on the SARAPE form, you can enter your desired HPC platform in a text box labeled: ***Write-in (if resource not listed above):**. Be sure to clarify your request in the *justification* section of the request form.

OTHER REGISTRATIONS

If you register for an account on an ICN cluster, you will probably want to register for other services as well:

- **HPSS:** The High Performance Storage System (HPSS) is designed for permanent, high capacity, archival storage with high bandwidth access in both the Yellow and Red networks. None of the ICN Clusters has large, permanent, online storage. Most of the ICN user production data resides on large scratch space that we purge, so we encourage you to save your important files to HPSS on a daily basis. To register for either a Yellow or a Red HPSS account, use the [registration](#) website for that particular network (ie. secure site for secure HPSS access).

For more information on HPSS, see the [HPSS](#) home page.

- **GPFS:** Turquoise users will need archival storage space on our General Parallel File System. You can request permanent space from [ICN Consulting](#). See the [GPFS](#) site for more information.
- **Mercury:** The Mercury system/process is designed to assist users transfer files between the protected and secure networks. If you wish to make such transfers, see the [Mercury](#) web site for instructions on how to obtain an account and how to use Mercury.
- **Email:** If you obtain ICN access, you can manage your email in either the protected or the secure networks via the [register](#) web site.

Tips for Principal Investigators with Institutional Computing HPC Allocations

As a PI, you may directly add users (including yourself) to coyote by going to the [HPC Accounts](#) web site.

After authenticating with a crypto-card, you will be presented with a list of the projects for which you may approve accounts. On selecting a project an input box will be displayed, as well as a list of the systems upon which the project has an allocation. Enter the Z-numbers of the project members and check boxes next to the system names to create the new accounts.

The system will check for various kinds of correctness (employment status, 982 status for FNs, existing accounts, etc.) before creating the accounts. Users will also be placed in the appropriate LSF group for the project before being notified via email. A report of all actions taken will be displayed. Please print and retain a copy for your records.

Please note: Some of your project members may already have "friendly-user" accounts on coyote in which case adding them via the above URL will not work. Please send a list of the users you wish mapped to your project to consult@lanl.gov.